



**DEHYDROPHENYLHISTINS AND ANALOGS THEREOF AND THE
SYNTHESIS OF DEHYDROPHENYLHISTINS AND ANALOGS
THEREOF**

Y. Hayashi, et al.

Appl. No.: 10/632,531 Atty Docket: NEREUS.062A

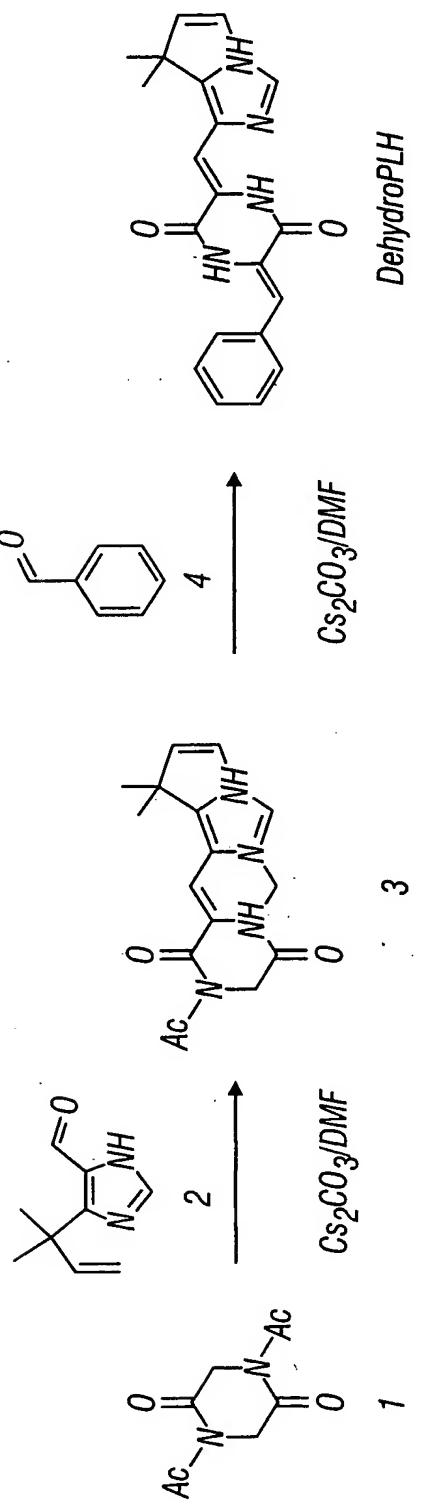


FIG. 1

DEHYDROPHENYLHISTINS AND ANALOGS THEREOF AND THE
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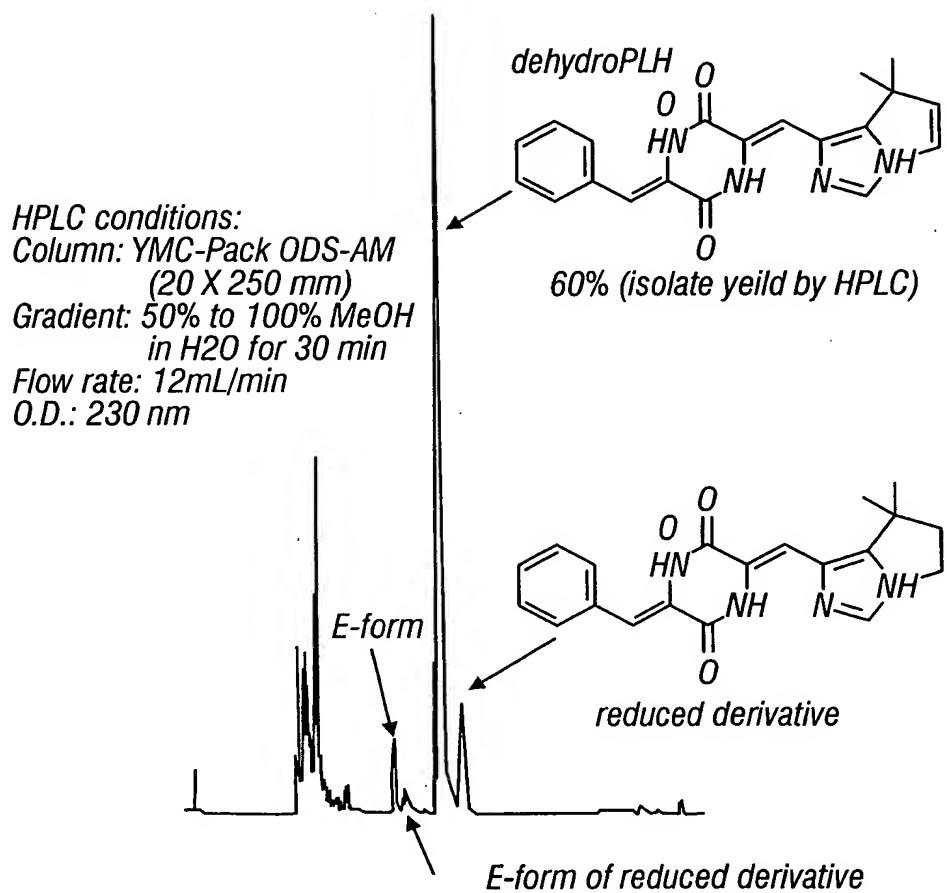


FIG. 2

DEHYDROPHENYLAHISTINS AND ANALOGS THEREOF AND THE
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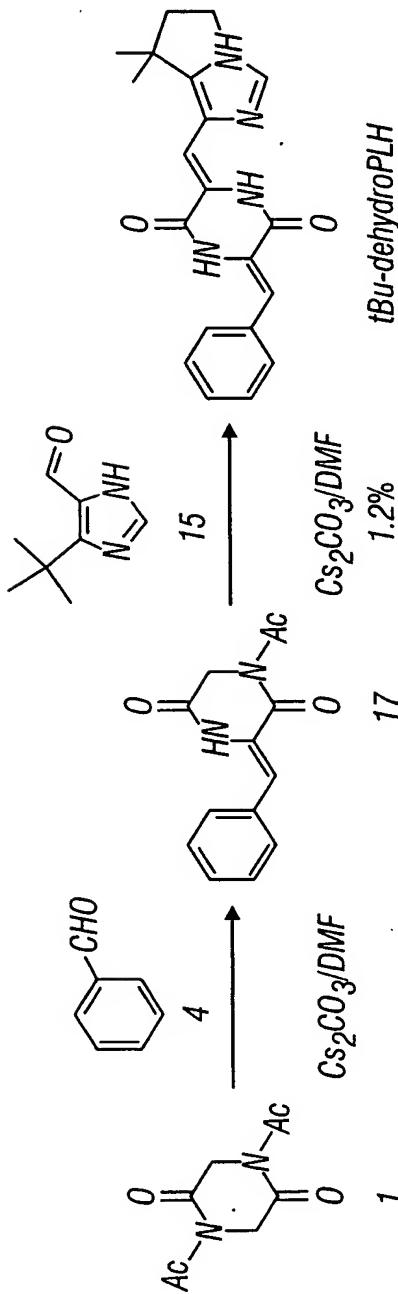


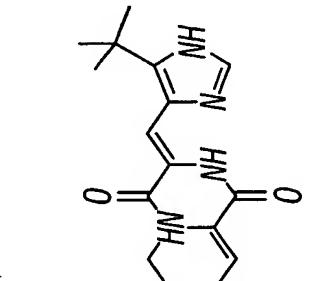
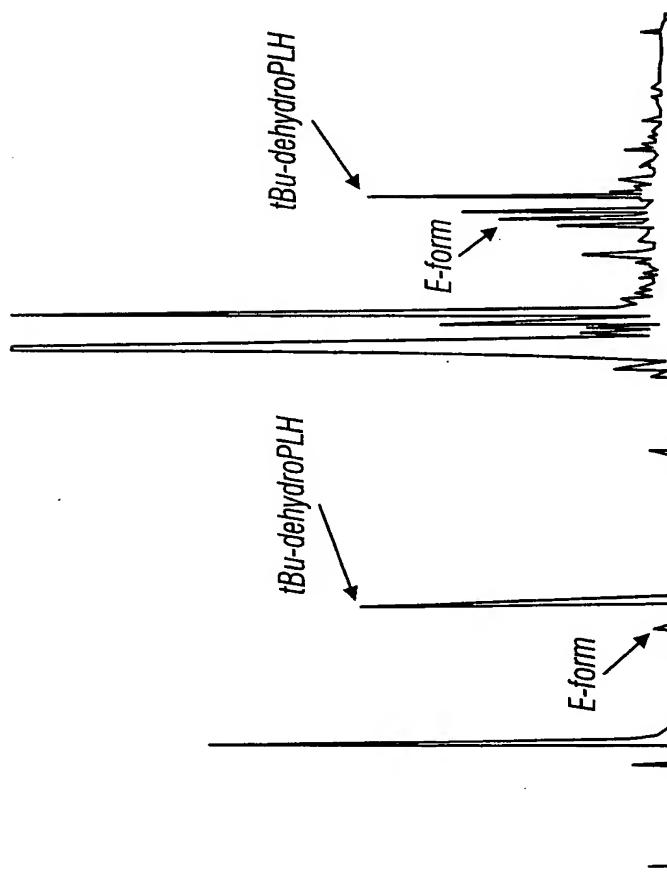
FIG. 3

**DEHYDROPHENYLAHISTINS AND ANALOGS THEREOF AND THE
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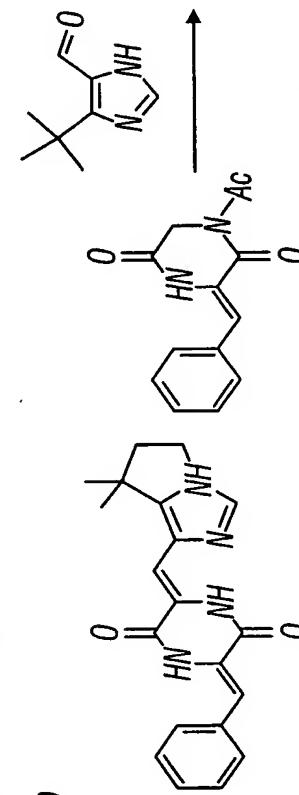
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HPLC conditions:
Column: yMC-Pack ODS-AM
(20 X 250 mm)
Gradient: 50% to 100% MeOH
in H₂O for 30 min
Flow rate: 12mL/min
O.D.: 230 nm



1.2%
(Isolated yield by HPLC)



40%
(isolated yield by HPLC)

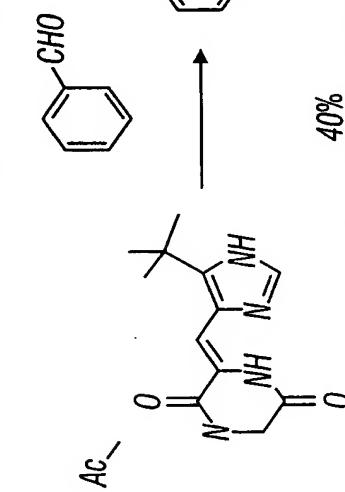


FIG. 4

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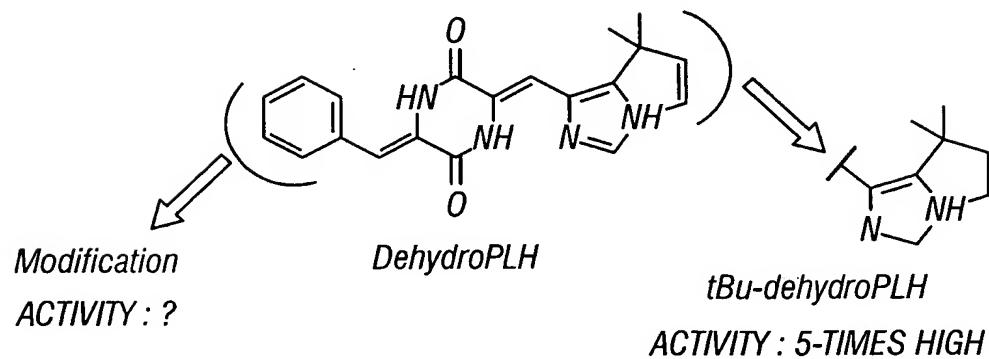


FIG. 5

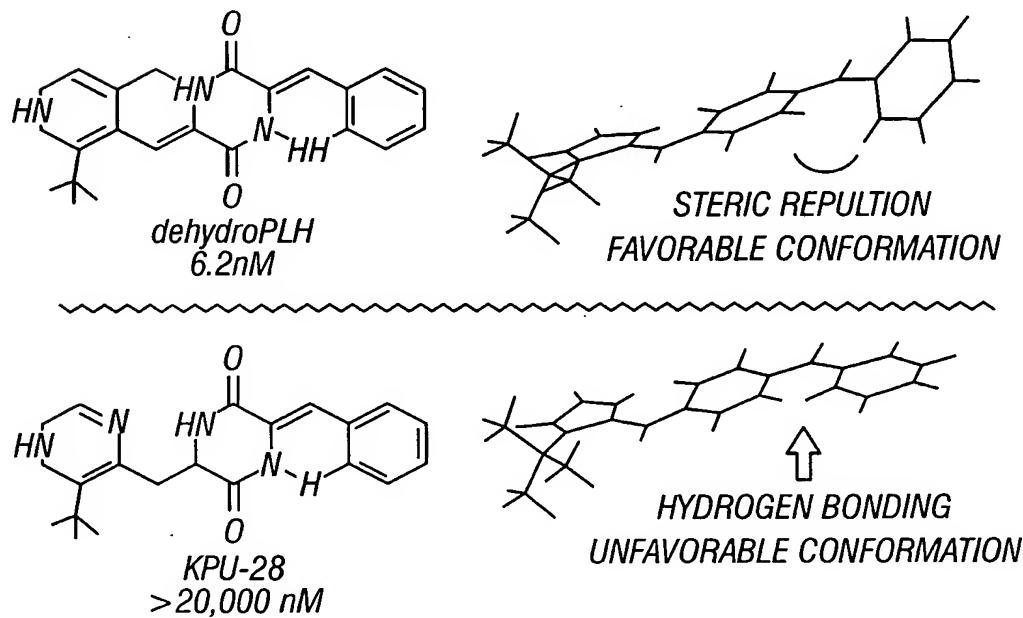


FIG. 6

*DEHYDROPHENYLAHISTINS AND ANALOGS THEREOF AND THE
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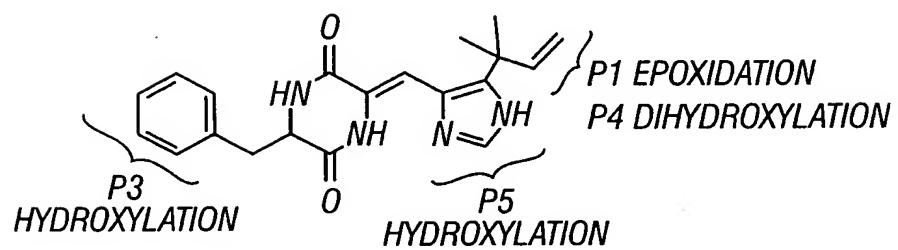


FIG. 7

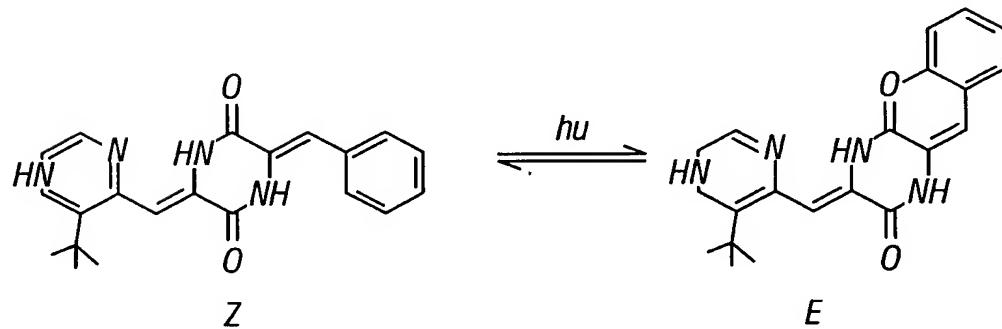


FIG. 8

DEHYDROPHENYLHISTINS AND ANALOGS THEREOF AND THE
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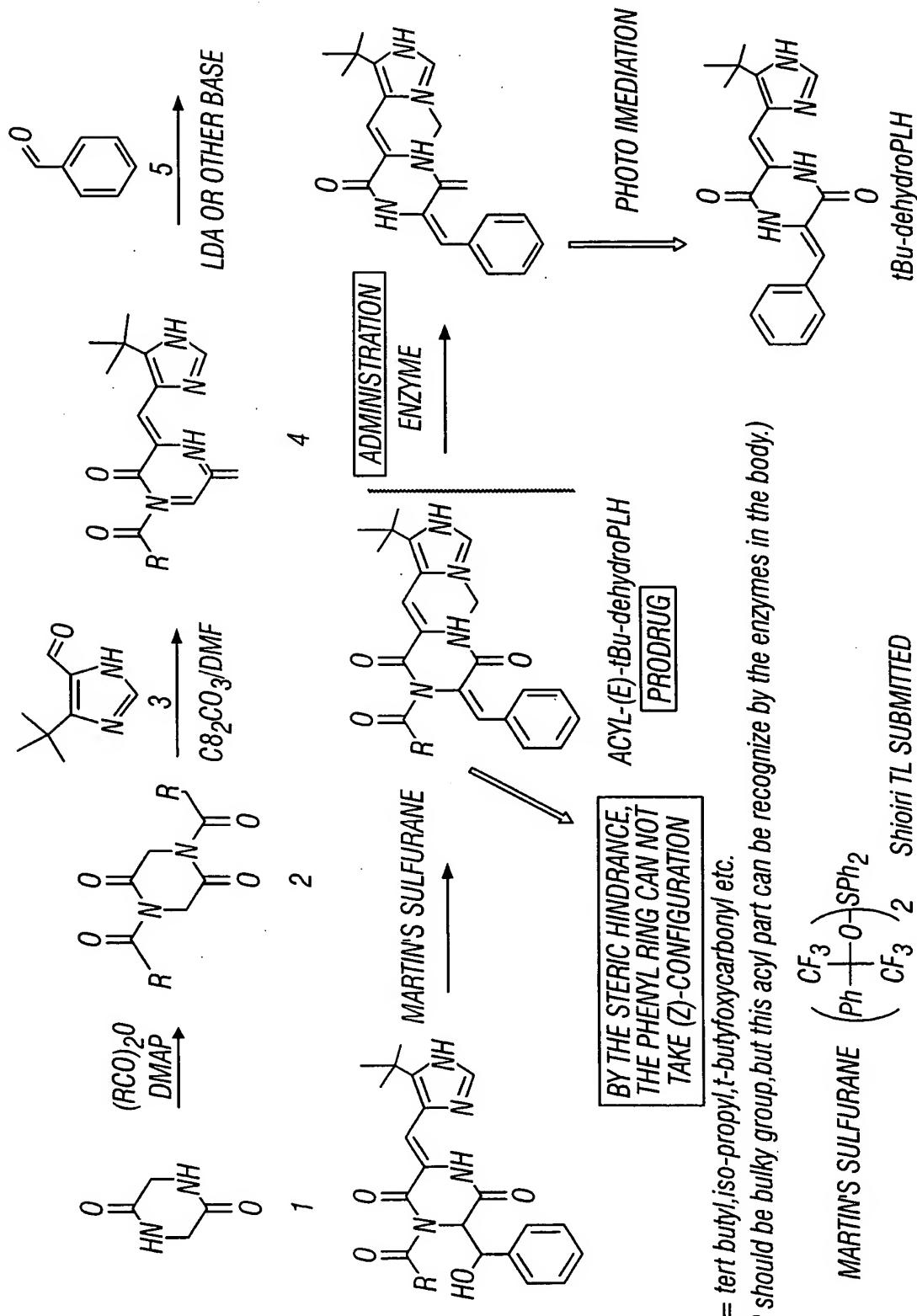


FIG. 9

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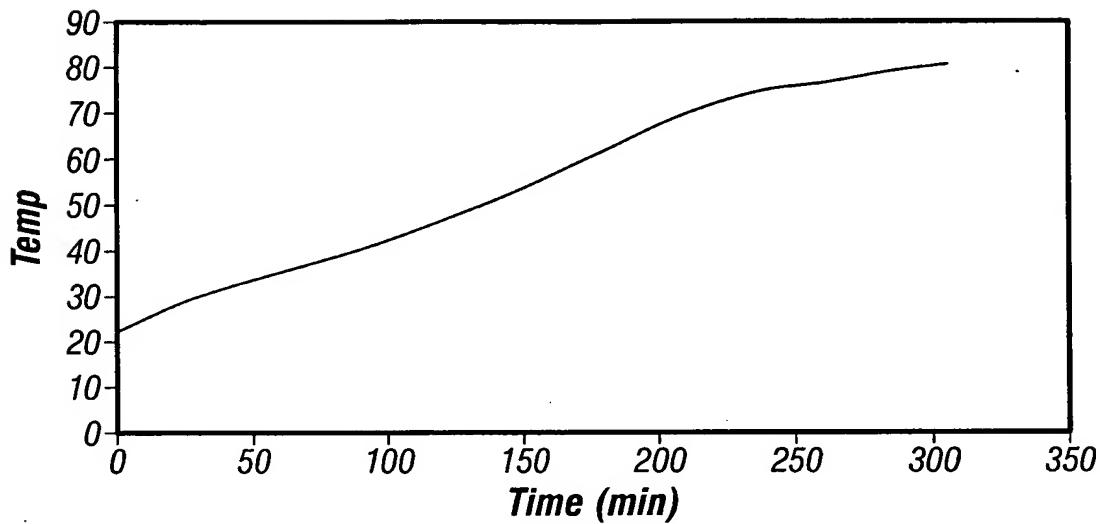


FIG. 10

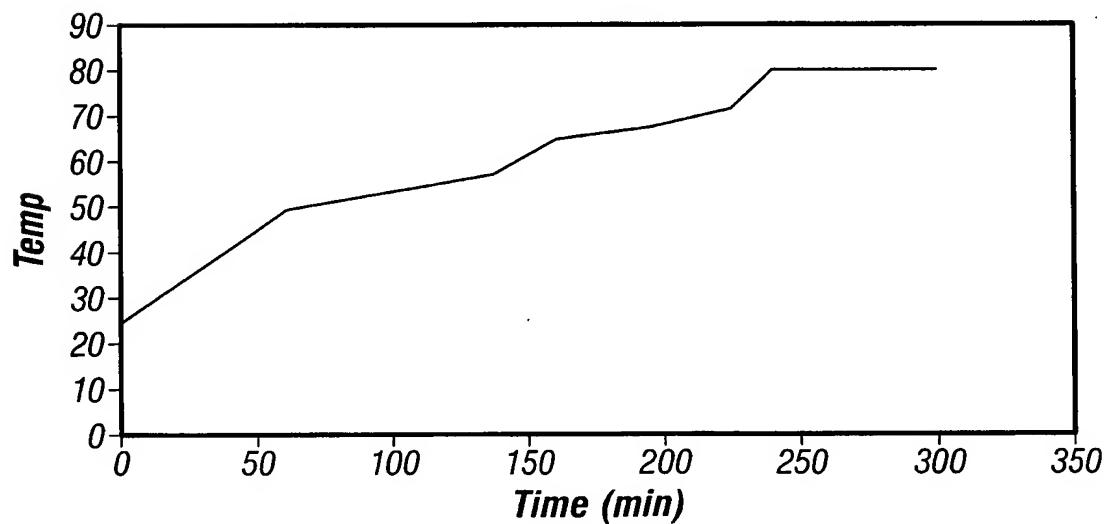


FIG. 11

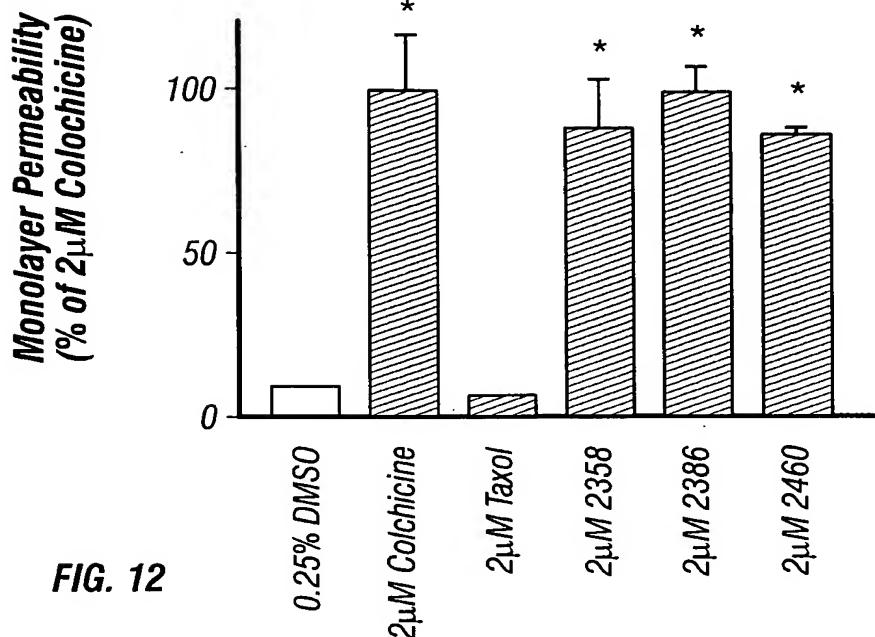
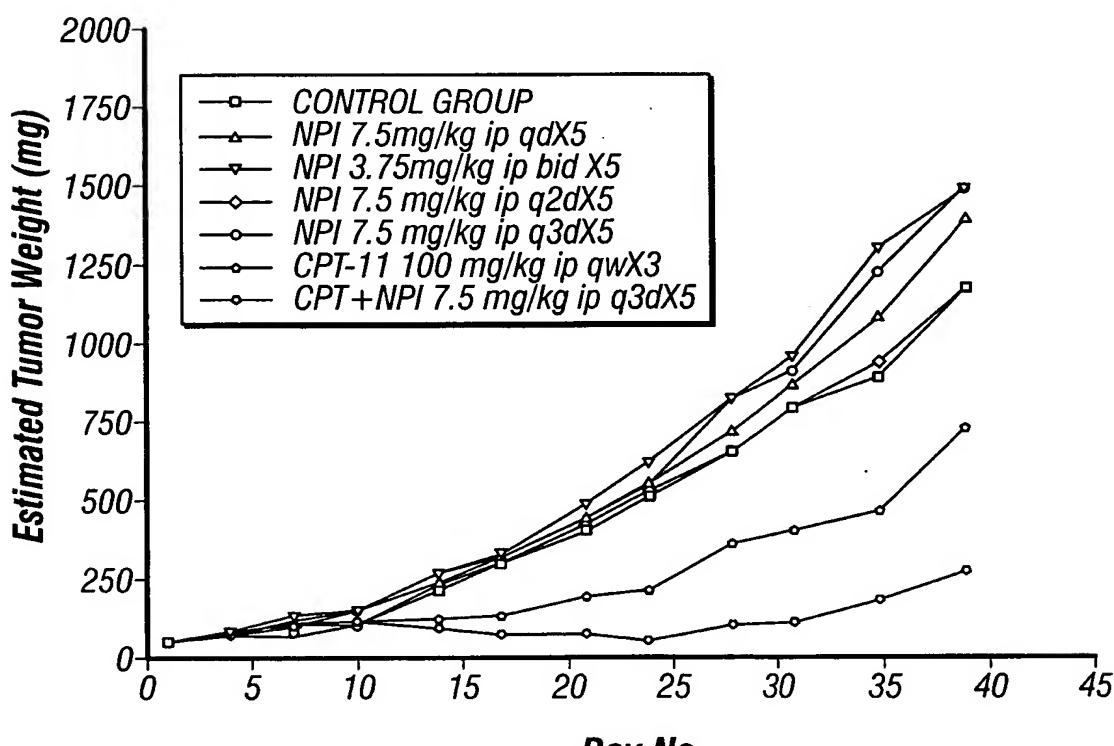


FIG. 12



* p<0.01 vs Control
p<0.05 vs CPT Alone
p<0.01 vs CPT Alone

FIG. 13

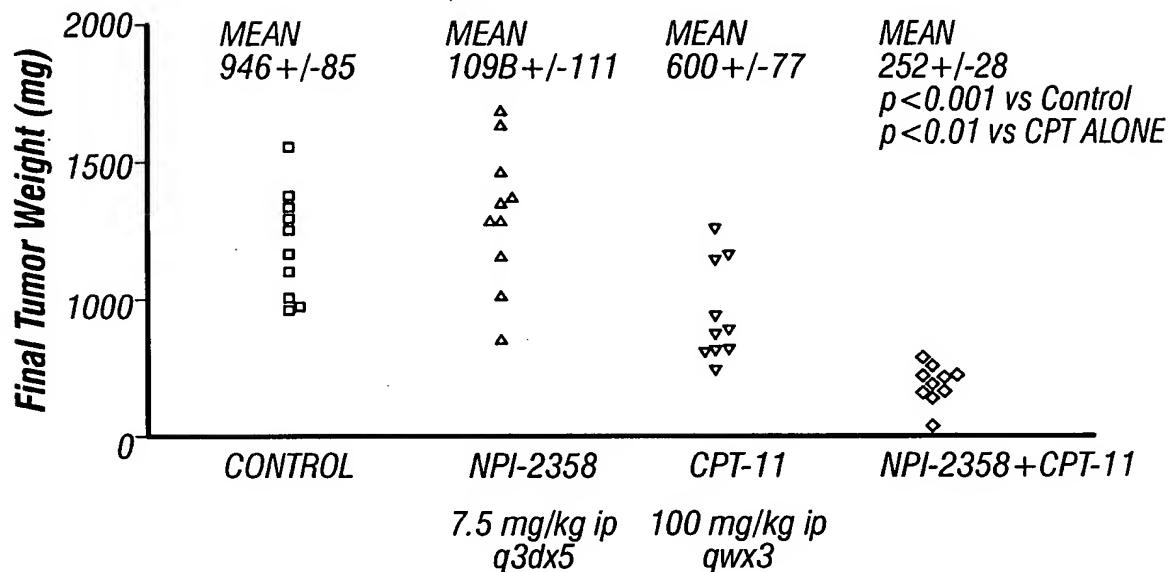


FIG. 14

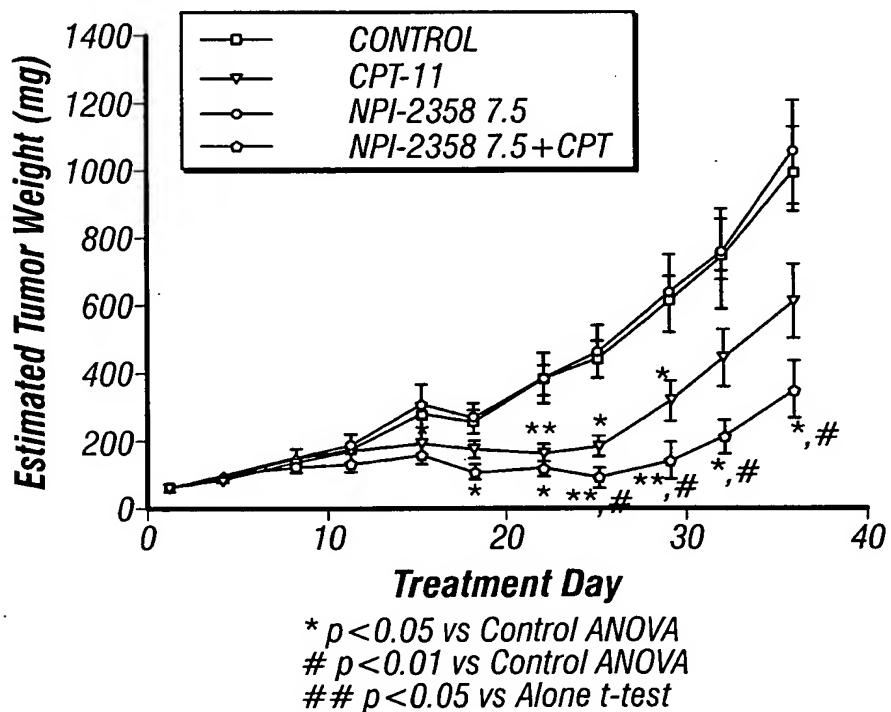


FIG. 15

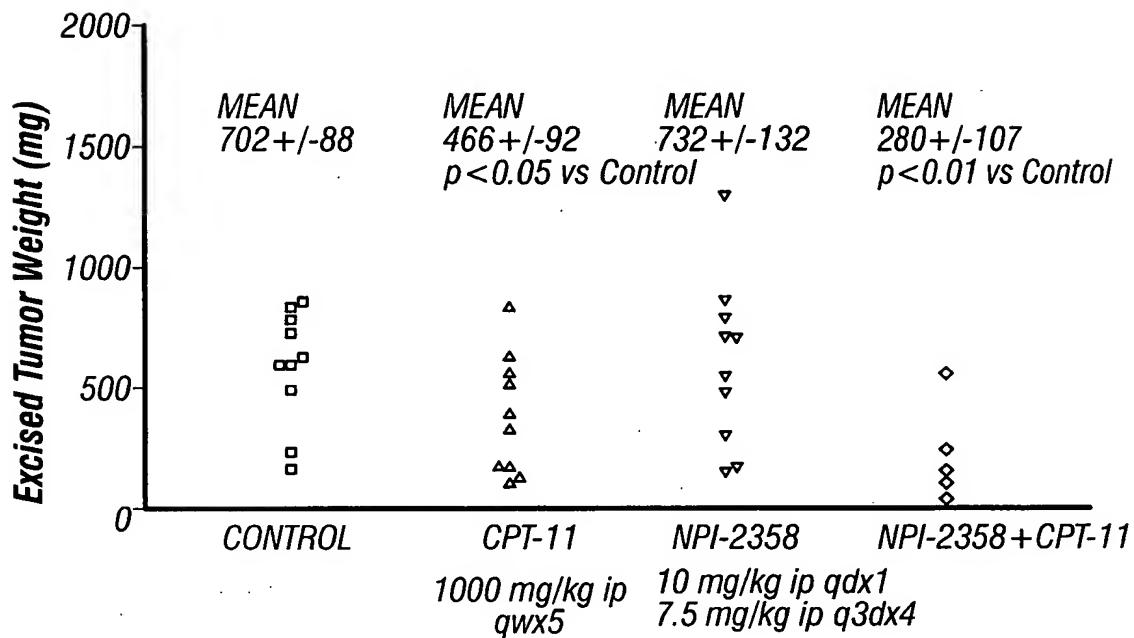


FIG. 16

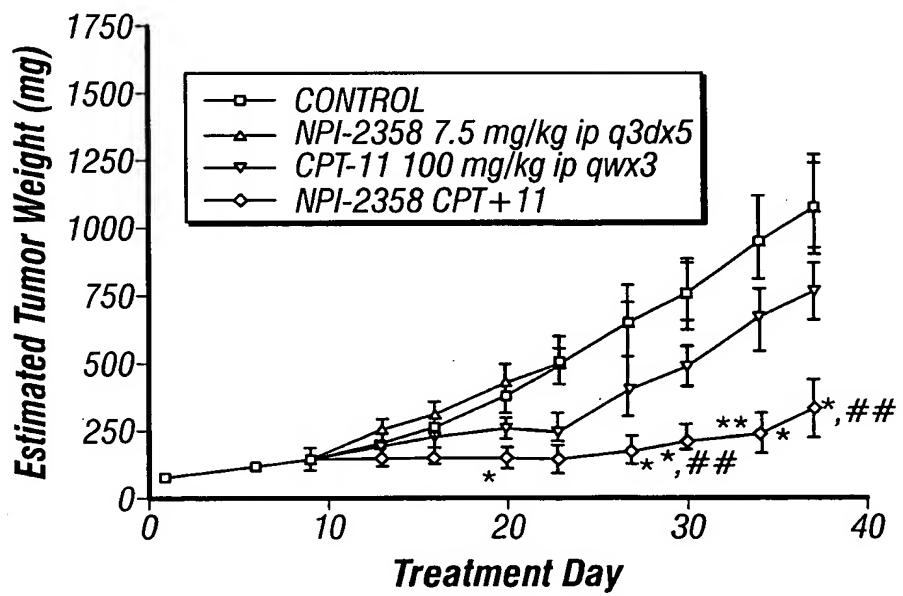


FIG. 17A

DEHYDROPHENYLHISTINS AND ANALOGS THEREOF AND THE
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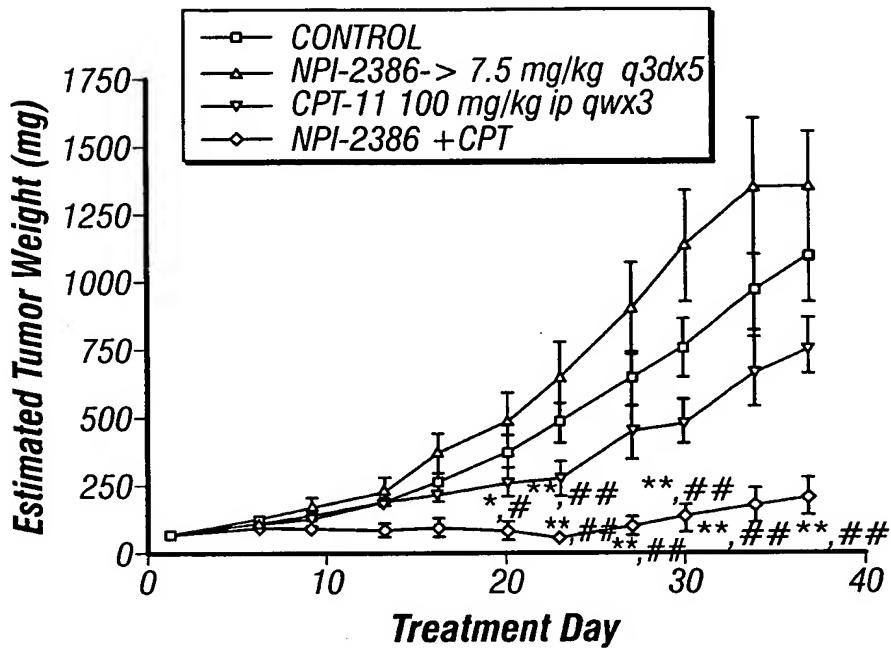


FIG. 17B

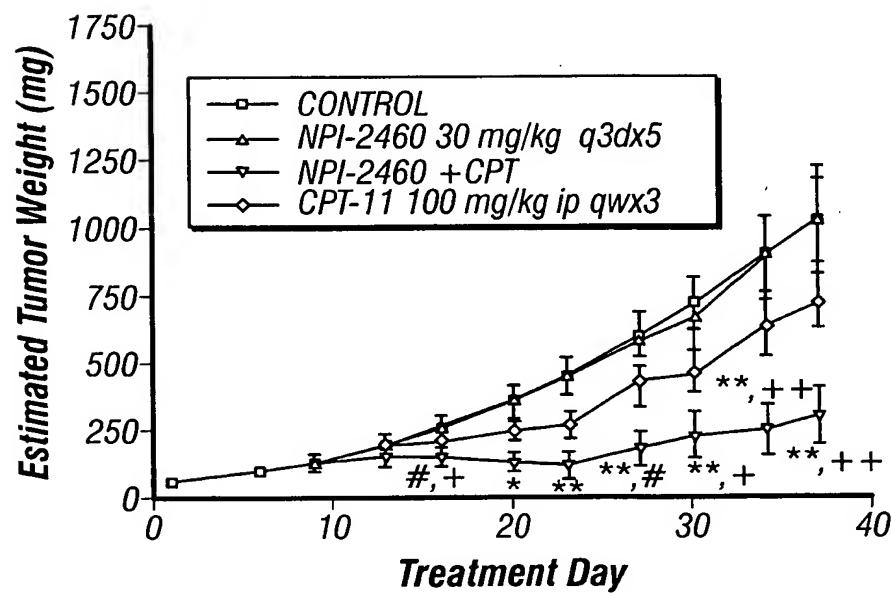


FIG. 17C

DEHYDROPHENYLALISTINS AND ANALOGS THEREOF AND THE
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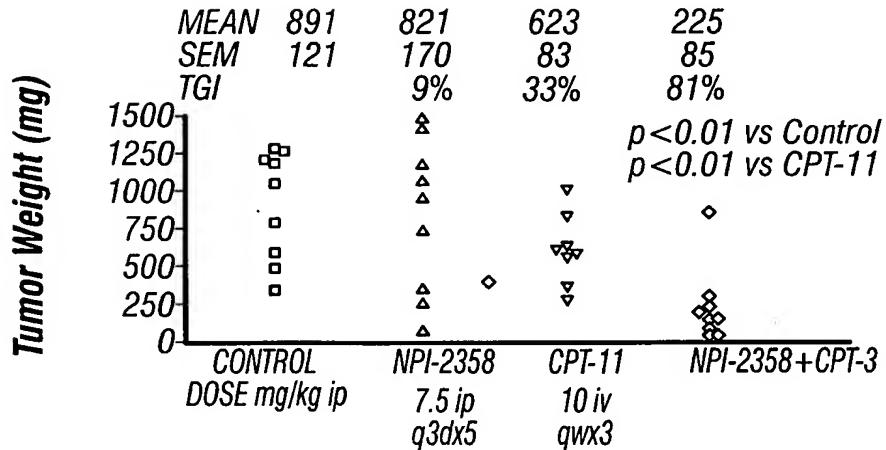


FIG. 18A

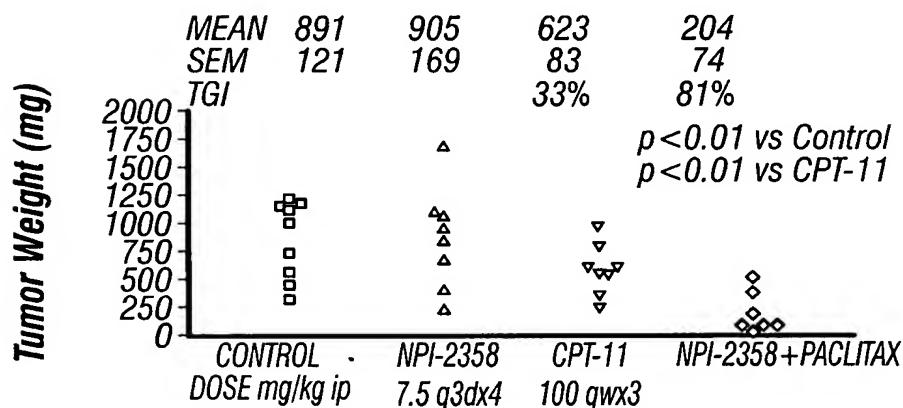


FIG. 18B

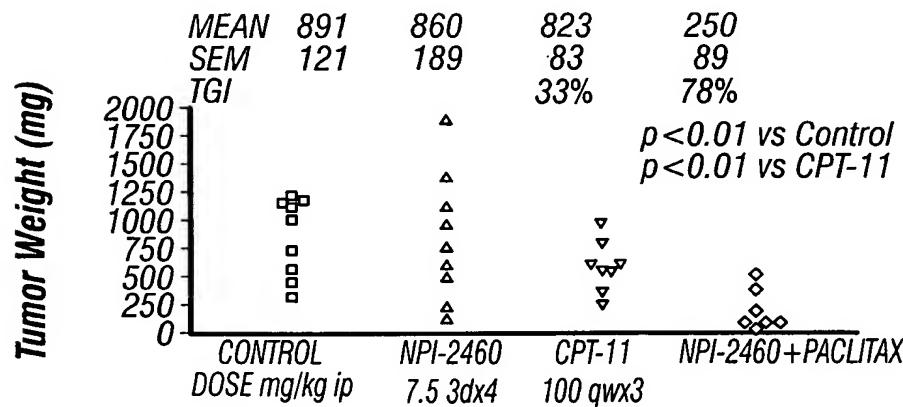
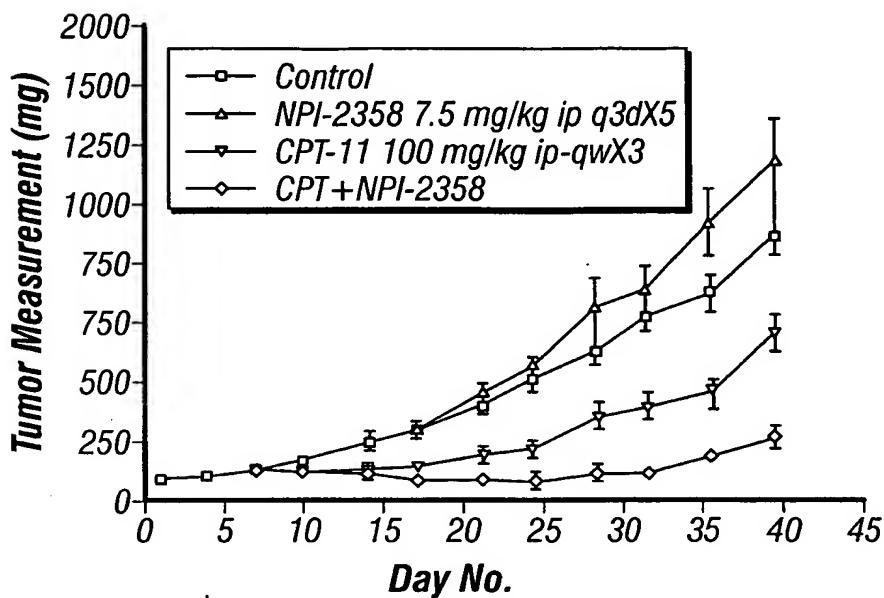
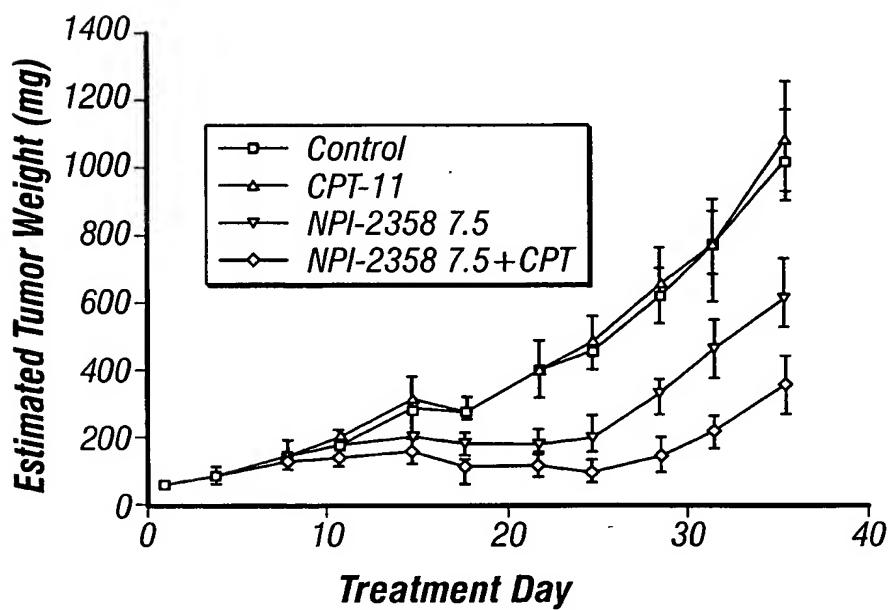


FIG. 18C



* $p < 0.05$ vs Control
** $p < 0.05$ vs Control
* $p < 0.05$ vs CPT Alone
** $p < 0.01$ vs CPT Alone



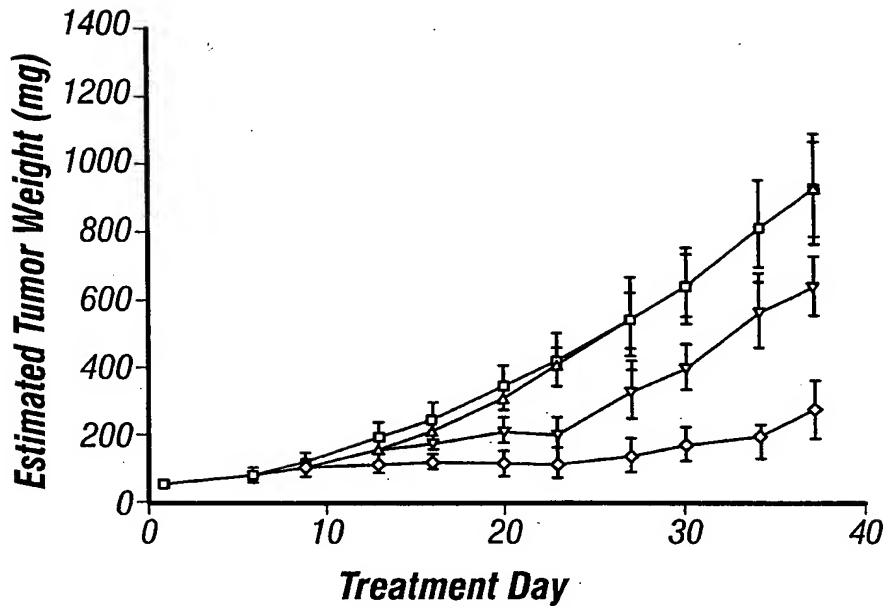


FIG. 19C

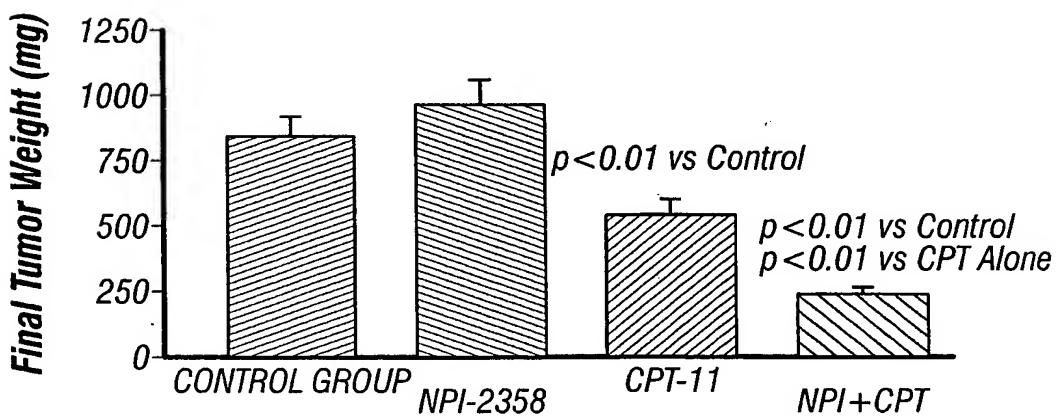


FIG. 20A

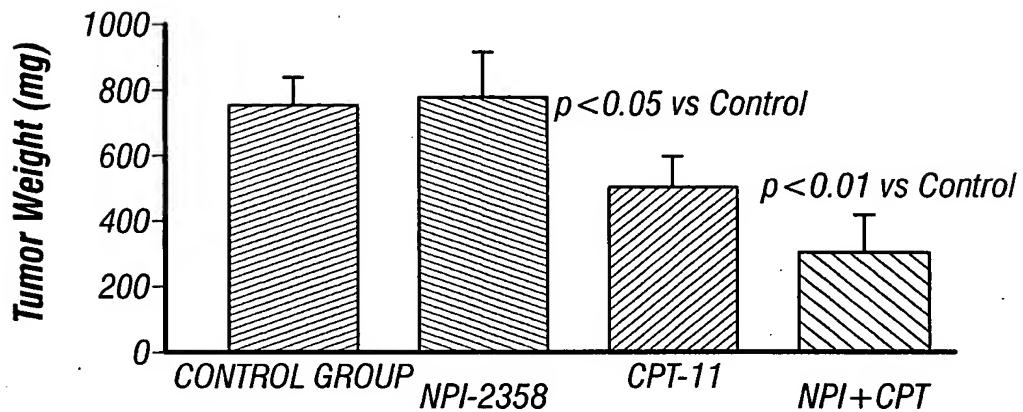


FIG. 20B

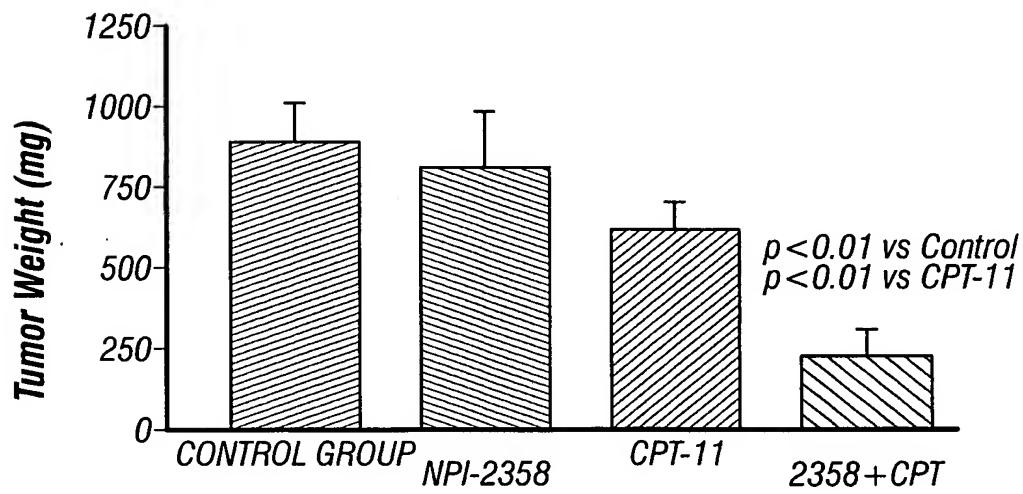


FIG. 20C

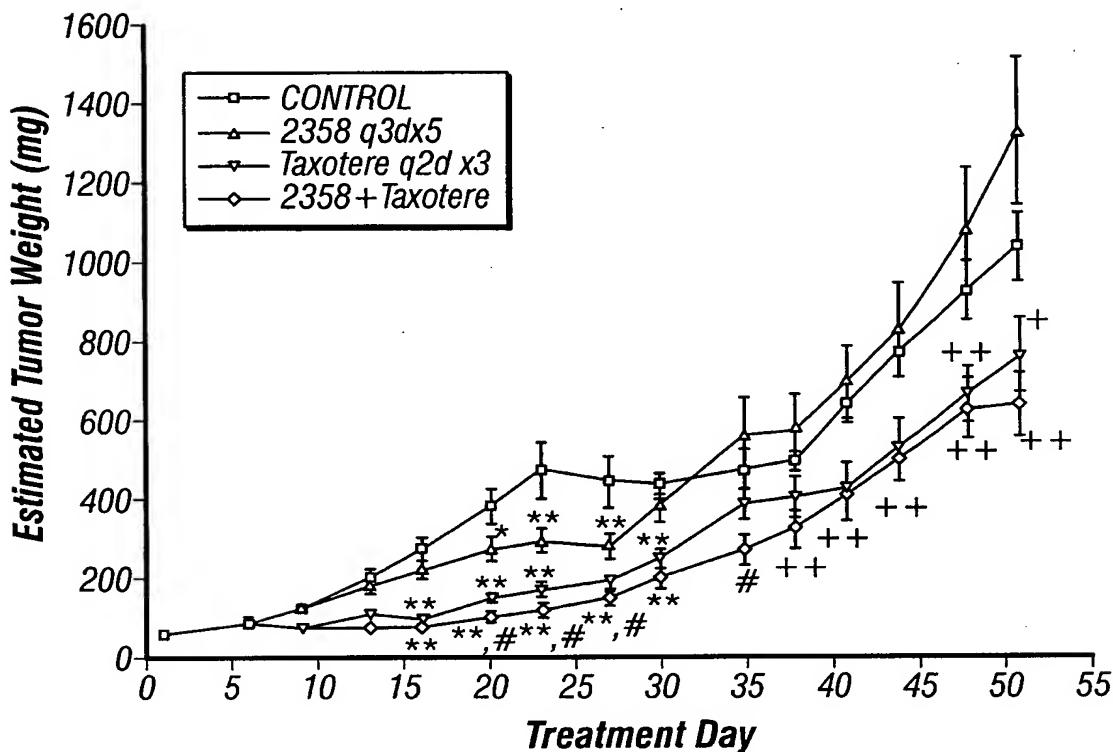
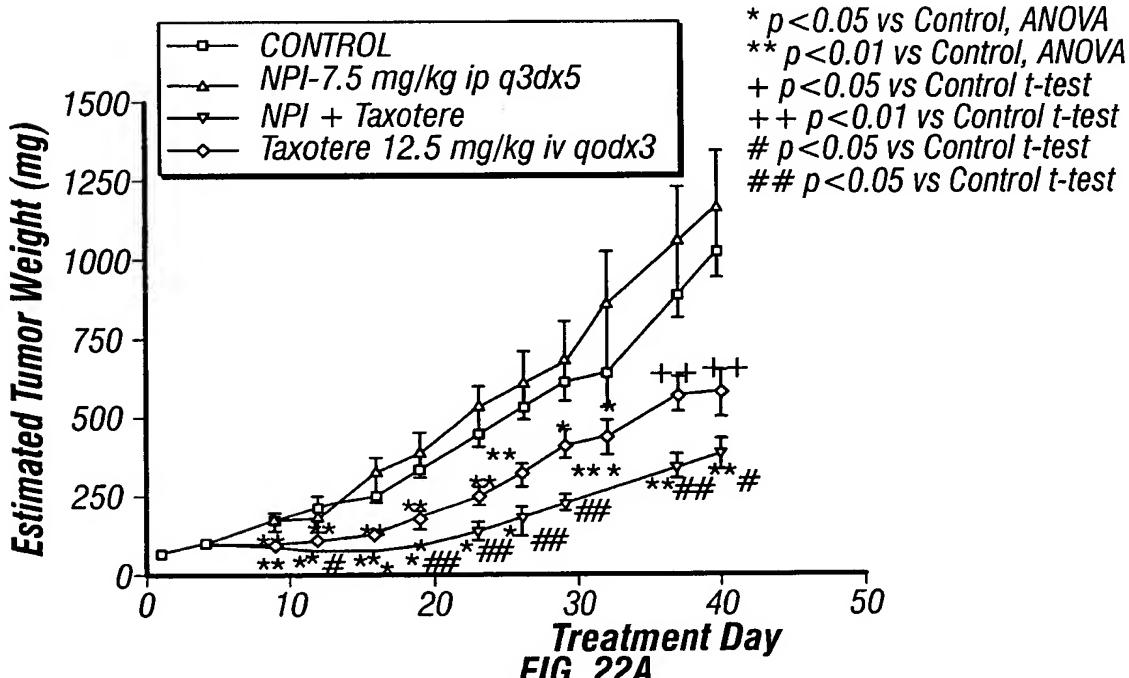


FIG. 21

* $p < 0.05$ vs Control, ANOVA
 ** $p < 0.01$ vs Control, ANOVA
 # $p < 0.05$ vs Taxotere alone, t-test
 + $p < 0.05$ vs Control t-test
 ++ $p < 0.01$ vs Control t-test



* $p < 0.05$ vs Control, ANOVA
 ** $p < 0.01$ vs Control, ANOVA
 + $p < 0.05$ vs Control t-test
 ++ $p < 0.01$ vs Control t-test
 # $p < 0.05$ vs Control t-test
 ## $p < 0.05$ vs Control t-test

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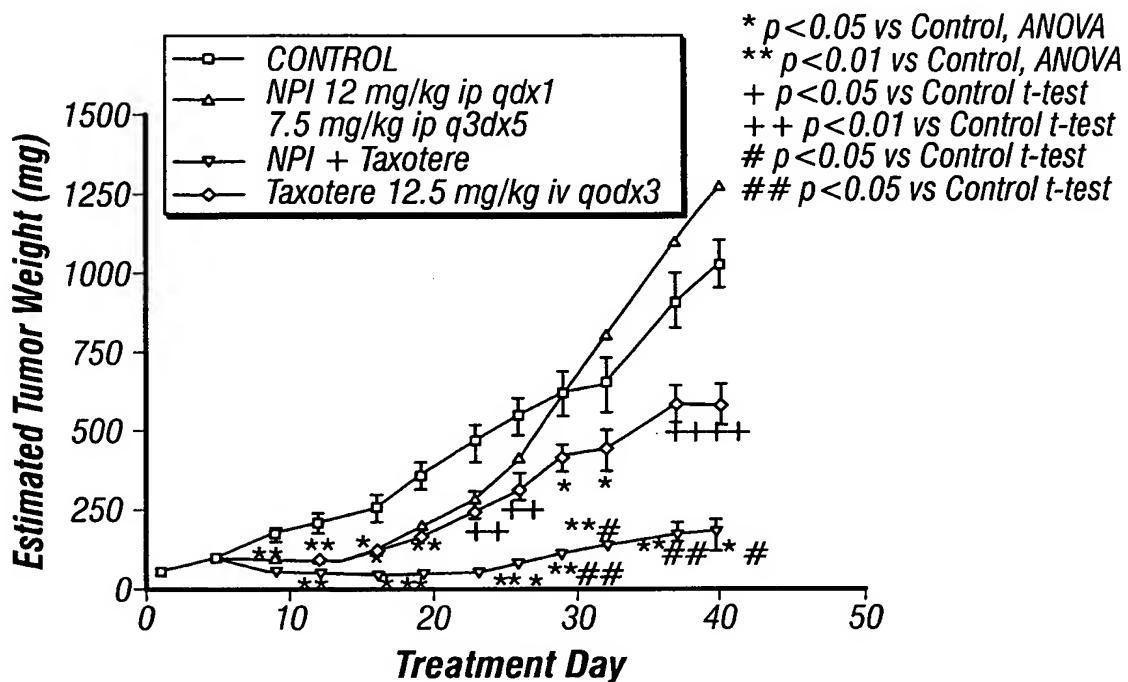


FIG. 22B

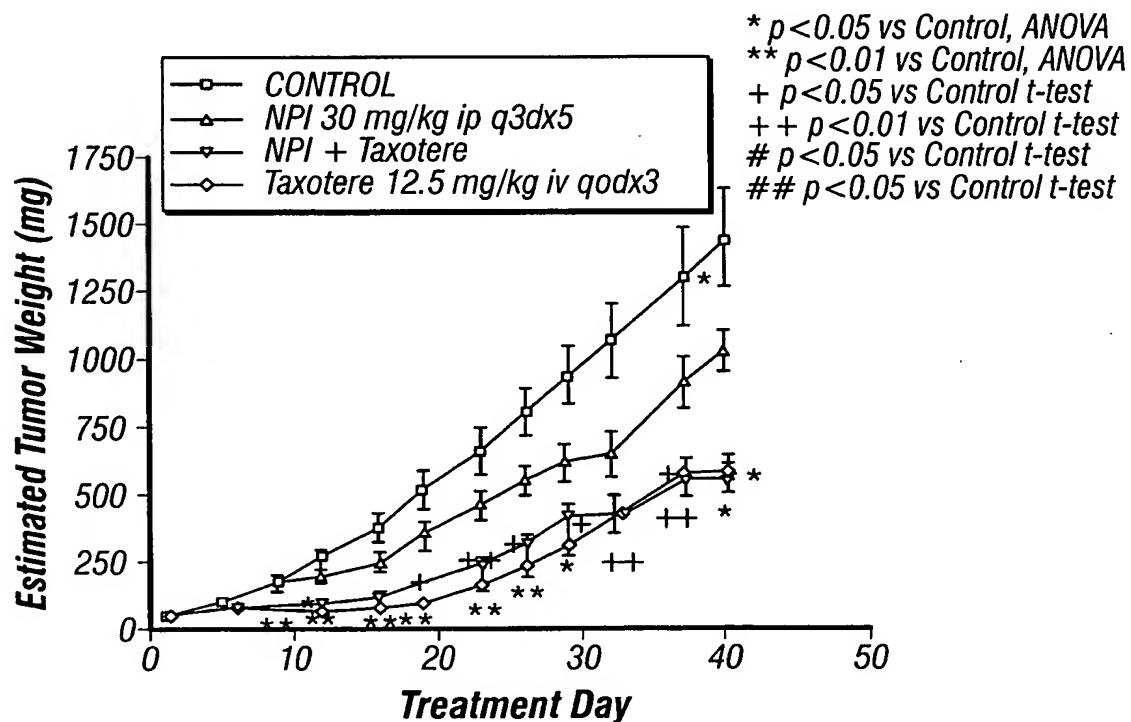


FIG. 22C

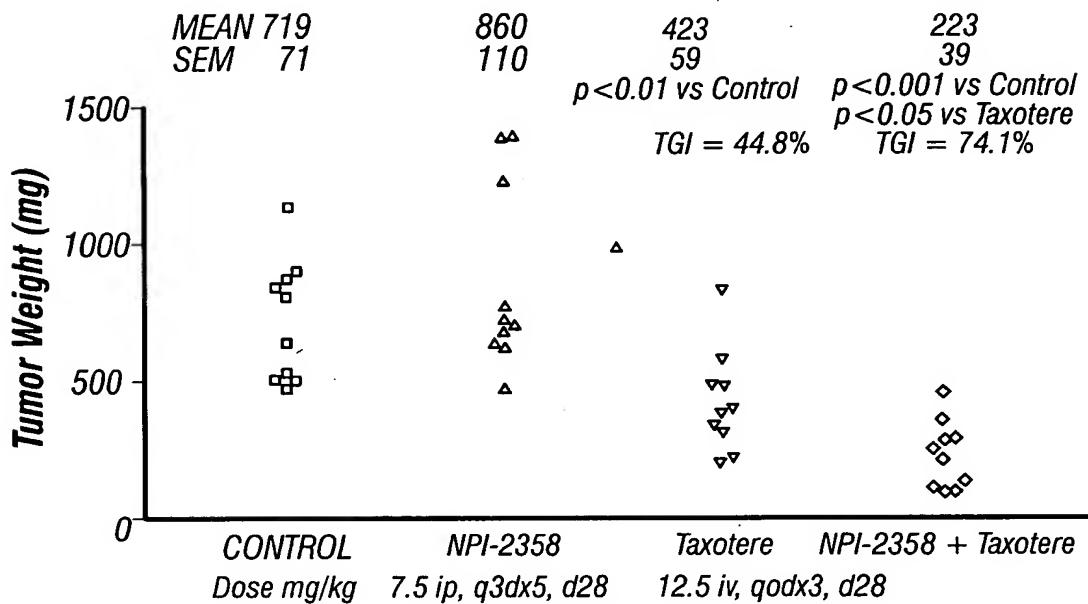


FIG. 23

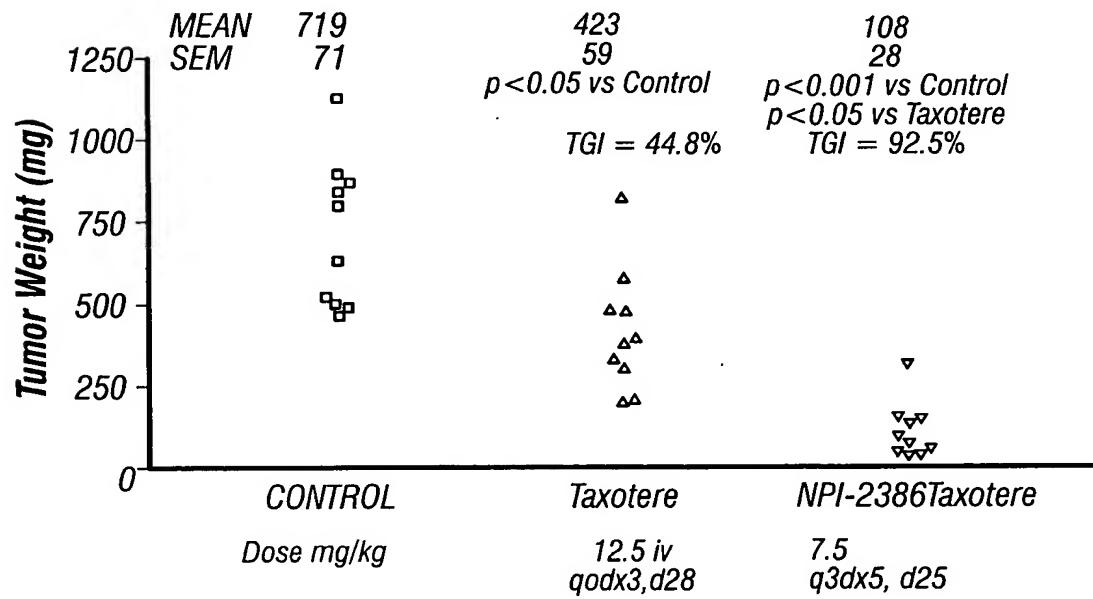


FIG. 24

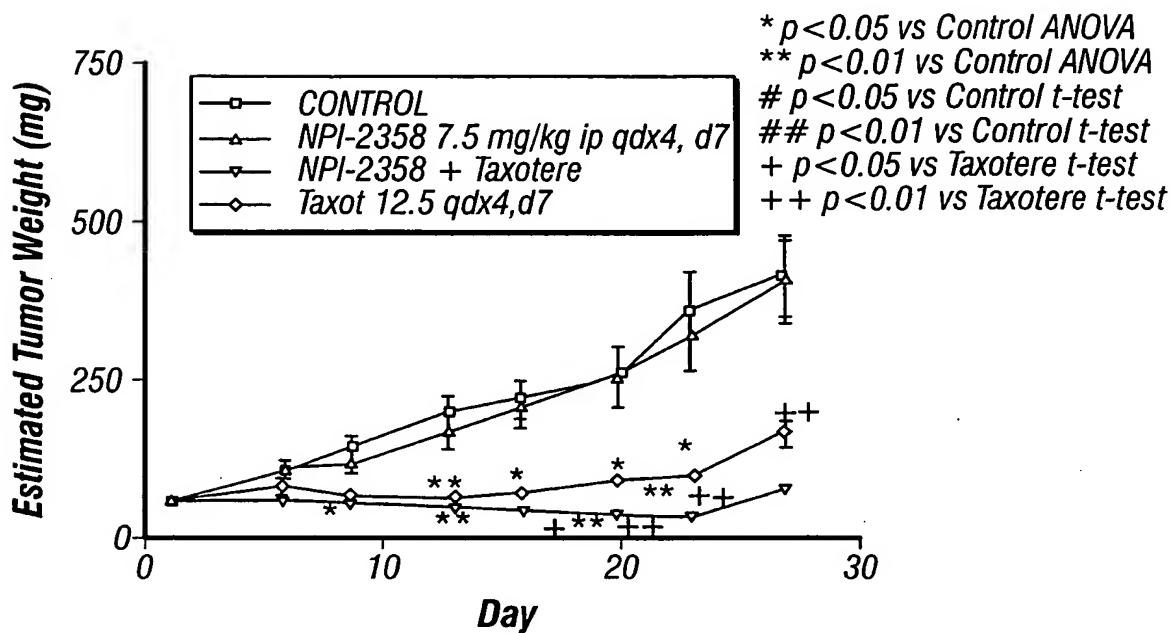


FIG. 25A

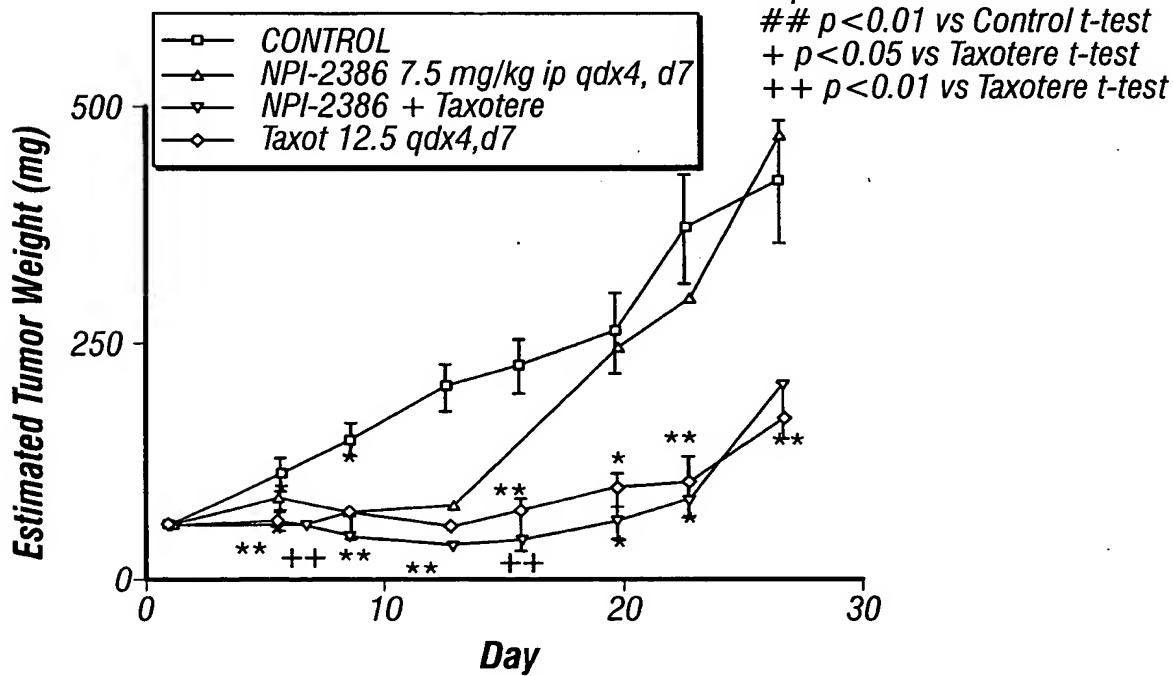


FIG. 25B

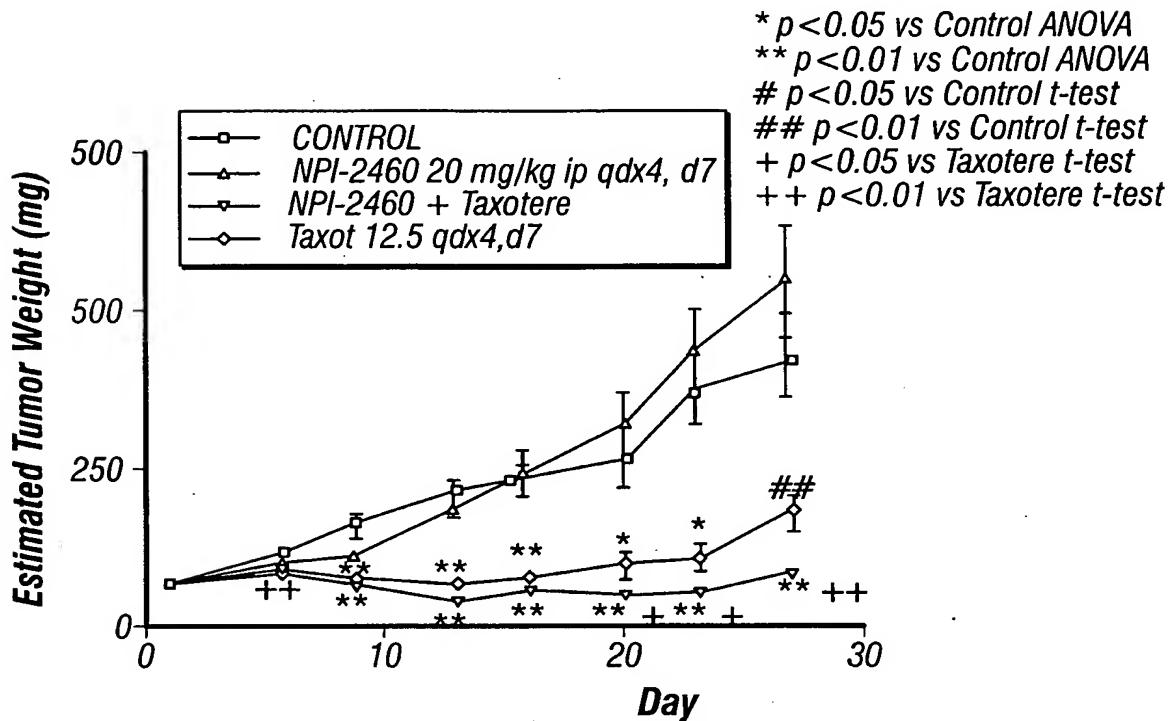
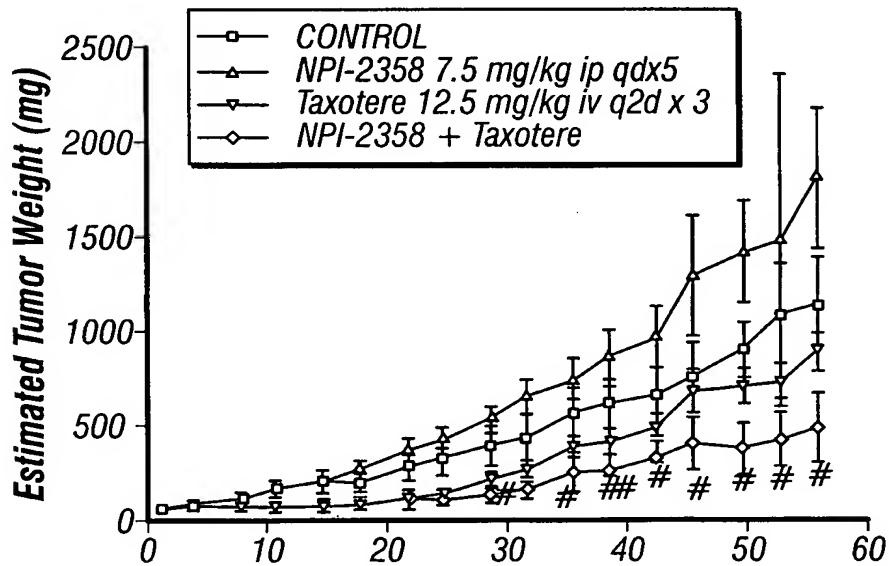


FIG. 25C



$p < 0.05$ vs control t-test
 ## $p < 0.01$ vs control t-test

FIG. 26

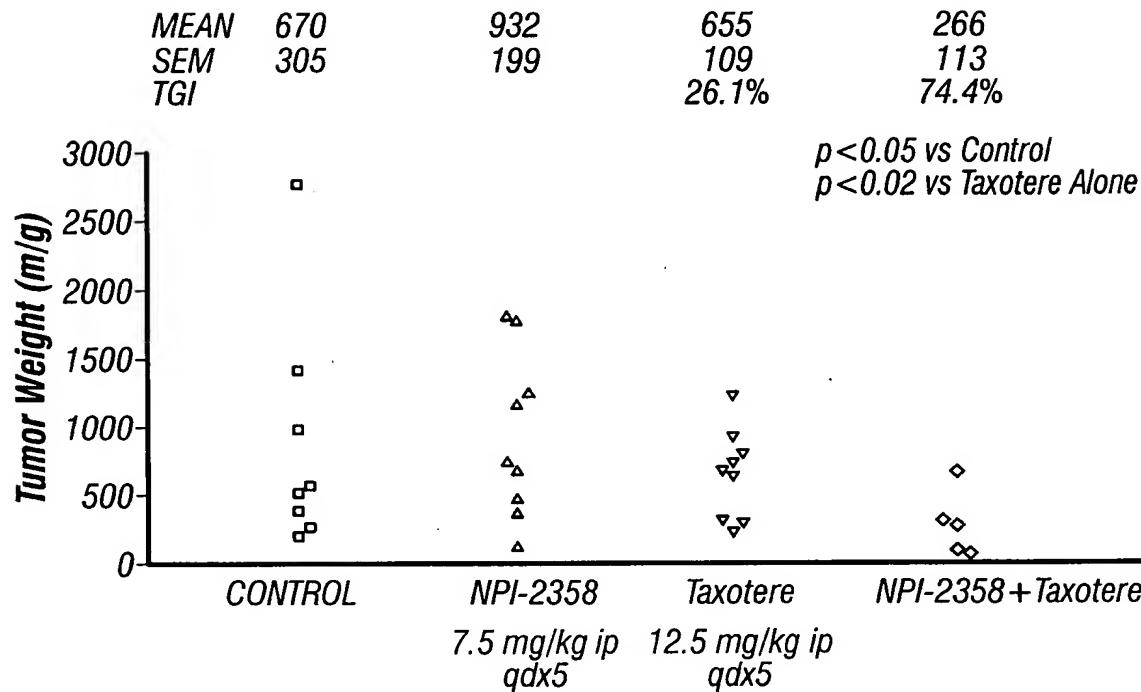


FIG. 27

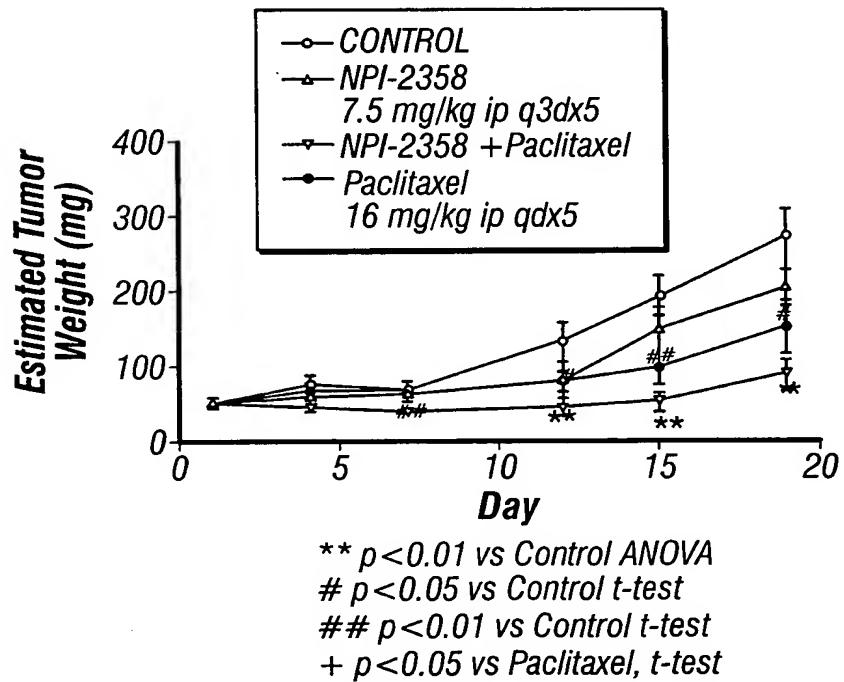


FIG. 28

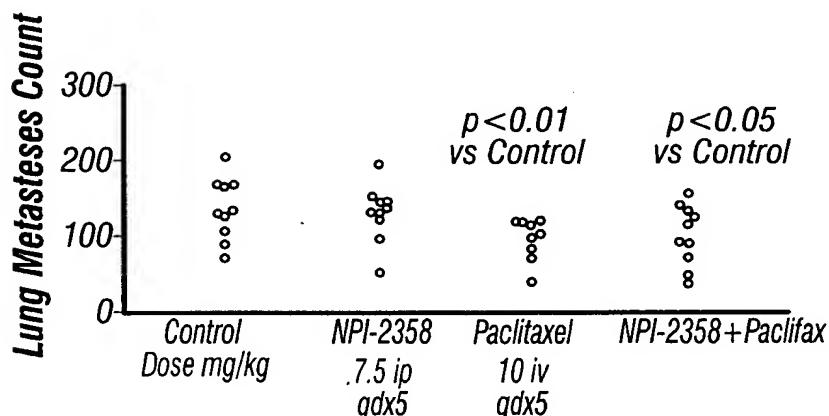


FIG. 29A

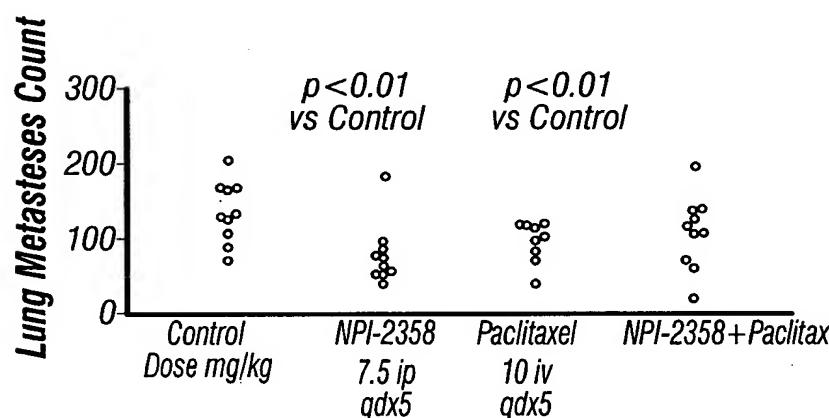


FIG. 29B

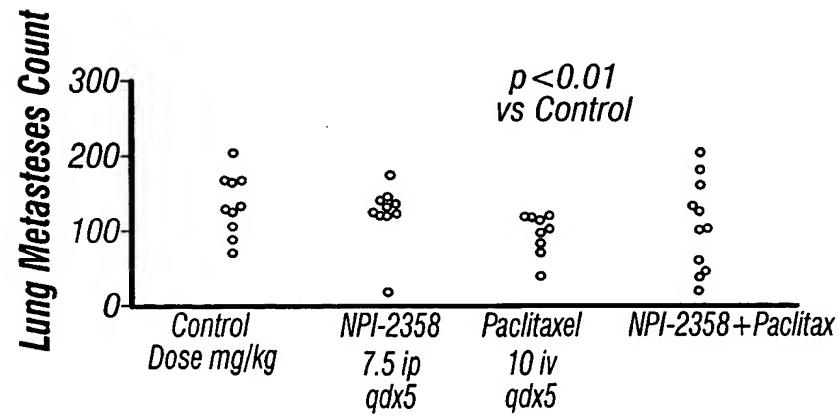


FIG. 29C